



May 8, 2017

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report
Sampling Period of March 11 through April 13, 2017
Behr Site - 1100 Seminary Street – Rockford, Illinois 61104
Site ID No.: 201030AYB

To Whom This May Concern:

Introduction:

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on September 27, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated January 31, 2017.

Beginning on September 27, 2015, a 24-hour TSP sample is collected every third day, as requested by USEPA. Sampling dates have been set to meet USEPA's schedule for ambient air lead sampling (i.e. every sixth day) as identified in Attachment A. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead and arsenic analyses, in accordance with the methods identified in the QAPP. A summary of individual lead and arsenic measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during *sample* collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on March 11 through April 13, 2017, is presented in Table 1 attached to this correspondence.

Mayl 8, 2017

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Ambient Air Lead Monitoring Station Monthly Report

Sampling Period of March 11 through April 13, 2017

Behr Site – Rockford, Illinois

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This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means rounded to two significant digits for comparison to rolling 3-month average NAAQS lead standard. The analytical report from RTI International, (subcontracted for filter analyses), is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,

RK & Associates, Inc.

A handwritten signature in black ink, appearing to read "John G. Pinion".

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

Table 1. Summary of Ambient Air Lead Monitoring Results March 11 through April 13, 2017

The Behr Site - Rockford, Illinois

Wind direction data includes
adjustment from Oct. 2016
Met Sta Performance Audit

Col -> A	B	C	D	E	F	G	H	I	J	K	L	M	N	O		
	USEPA Lead Sample Day (Y)	Day of Week	Sample Collection Date	Sample Duration (days) (hrs)	Avg. Temp °C	Avg. Bar. Pres. mmHg	Sample Rate / Volume		Sampler Data Flags	Ambient Lead Concentration ^c			Facility Met Data			
						Average Rate scfm	Total std m³	Lead ^a ug/filter		Daily Average ug/m³	Monthly Average ug/m³	3-Month Rolling Average ^b ug/m³	Daily Avg Wind Direction Degrees	Daily Avg Wind Speed mph		
Period Covered by this Report	Y	Sun	01/01/17	24:00	2.6	742.00	44.50	1,814.54		21.89	0.012			141°	1.62	
		Wed	01/04/17	24:00	-11.4	742.00	45.90	1,870.04		43.40	0.023			295°	4.94	
	Y	Sat	01/07/17	24:00	-10.7	755.00	46.90	1,913.09		24.70	0.013			301°	2.57	
		Tue	01/10/17	24:00	0.8	732.00	44.50	1,813.24		36.20	0.020			204°	2.35	
	Y	Fri	01/13/17	24:00	-4.50	757.00	46.00	1,877.66		51.00	0.027			356°	1.25	
		Mon	01/16/17	24:00	4.40	739.00	44.50	1,812.79		66.60	0.037	0.029	0.04	128°	2.53	
	Y	Thu	01/19/17	24:00	5.80	735.00	43.80	1,785.29		288.00	0.161			135°	1.81	
		Sun	01/22/17	24:00	6.50	736.00	43.90	1,791.10		13.40	0.007			342°	0.94	
	Y	Wed	01/25/17	24:00	4.10	729	43.80	1,785.46		10.80	0.006			125°	1.22	
		Sat	01/28/17	24:00	-0.20	735	44.70	1,821.93		23.60	0.013			301°	3.06	
	Y	Tue	01/31/17	24:00	4.00	737	44.10	1,799.45		7.06	0.004			284°	4.59	
		Fri	02/03/17	24:00	-2.30	751	32.50	1,325.85		44.70	0.034	I	Results are not included in monthly or 3-month averages.		303°	2.50
	Y	Mon	02/06/17	24:00	14.70							I	138°	2.14		
		Fri	02/10/17	24:00	3.00	734	44.20	1,802.31		167.00	0.093	m	309°	1.92		
	Y	Sun	02/12/17	24:00	2.20	747	44.90	1,831.34		117.86	0.064		304°	3.61		
		Wed	02/15/17	24:00	1.80	738	44.80	1,828.70		73.84	0.040		323°	3.10		
	Y	Sat	02/18/17	24:00	12.2	736.00	43.30	1,764.90		55.24	0.031	0.023	0.02	250°	0.13	
		Tue	02/21/17	24:00	15.1	737.00	43.20	1,762.21		25.29	0.014		225°	0.31		
	Y	Fri	02/24/17	24:00	1.0	730.00	44.00	1,794.72		20.67	0.012		11°	1.30		
		Mon	02/27/17	24:00	10.0	739.00	43.60	1,779.18		119.41	0.067		137°	2.36		
	Y	Thu	03/02/17	24:00	1.10	754.00	45.50	1,855.12		188.47	0.052	n	310°	3.02		
		Sun	03/05/17	24:00	12.10	740.00	43.50	1,775.41			0.052	n		138°	5.07	
	Y	Wed	03/08/17	24:00	6.40	742.00	44.40	1,811.32		43.09	0.024		282°	4.89		
		Sat	03/11/17	4:28	-0.90	752.00	45.60	347.50		87.63	0.252	o	341°	1.99		
	Y	Tue	03/14/17	24:00	-2.60	748.00	45.40	1,853.22		22.01	0.012	0.139	0.06	338°	2.45	
		Fri	03/17/17	24:00	4.20	745.00	44.60	1,817.46		593.30	0.326		178°	0.80		
	Y	Mon	03/20/17	24:00	12.20	741.00	43.90	1,789.51		231.67	0.129		119°	1.44		
		Thu	03/23/17	24:00	8.20	742.00	43.90	1,791.21		964.55	0.272	p	131°	5.03		
	Y	Sun	03/26/17	24:00	13.10	737.00	43.10	1,758.82			0.272	p		134°	0.89	
		Wed	03/29/17	24:00	7.00	741.00	44.50	1,816.55		201.28	0.111		133°	3.02		
	Y	Sat	04/01/17	24:00	13.20	745.00	43.80	1,784.16		39.22	0.022		323°	0.30		
		Tue	04/04/17	24:00	11.60	736.00	43.70	1,783.51		169.04	0.095		328°	1.40		
	Y	Fri	04/07/17	24:00	11.20	742.00	43.70	1,781.72		62.26	0.035		336°	1.61		
		Mon	04/10/17	24:00	15.60	738.00	43.50	1,774.45		123.55	0.070		137°	1.61		
	Y	Thu	04/13/17	24:00	12.60	746.00	44.00	1,794.72		862.90	0.481		127°	4.04		

- i. Brushes on electric motor failed on February 3, 2017, prior to completion of the 24 hour sampling period resulting in a total sample air volume of approximately 75% of typical. The motor repairs were completed on February 7, 2017, which resulted in missing the scheduled February 6, 2017 sample. The reported ambient air Pb concentration reported for February 3, 2017, is not included in the February results.
- m. Due to a programming error, the sampler did not operate on the February 9, 2017. A manually initiated sample was collected February 10, 2017, to replace the missed sample from the previous day.
- n. The filter from the March 2, 2017, sampling event was inadvertently left on the sampler for the March 5, 2017, sampling event resulting in 48-hours of sampling time on a single filter. The corresponding ambient air Pb concentration for this filter was calculated using the total combined volume of air sampled on March 2nd and March 5th. The resulting single ambient air Pb concentration was reported.
- o. The sampler failed after four hours of operation on March 11th limiting the total volume of ambient air sampled to less than 20% of the typical volume sampled during a normal 24-hour period. The reported concentration is not a valid result and is not included in the reported monthly average.
- p. The filter from the March 23, 2017, sampling event was inadvertently left on the sampler for the March 26, 2017, sampling event resulting in 48-hours of sampling time on a single filter. The corresponding ambient air Pb concentration for this filter was calculated using the total combined volume of air sampled on March 23rd and March 26th. The resulting single ambient air Pb concentration was reported.



& ASSOCIATES, INC.

**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: May 8, 2017

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2017

EPA Sampling Schedule 2017

Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

January

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

February

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April

S	M	T	W	T	F	S
			1			
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

May

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

June

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July

S	M	T	W	T	F	S
			1			
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

August

S	M	T	W	T	F	S
	1	2	3	4	5	
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

November

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

December

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: May 8, 2017

APPENDIX B

RTI International Analytical Results

March 11 through April 13, 2017

May 4, 2017

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results µg/Filter		
Filter ID	Date Collected	Lead
9329313	4/13/2017	863
9329314	4/10/2017	124
9329315	4/7/2017	62
9329316	4/4/2017	169
9329317	4/1/2017	39.2
9329318	3/29/2017	201
9329319	3/23 & 3/26 2017	965
9329320	3/20/2017	232
9329321	3/17/2017	593
9329322	3/14/2017	22.0
9329323	3/11/2017	87.6

Please refer to the attached spreadsheets "Behr Set 16 Data" for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

Frank Weber
Laboratory Manager

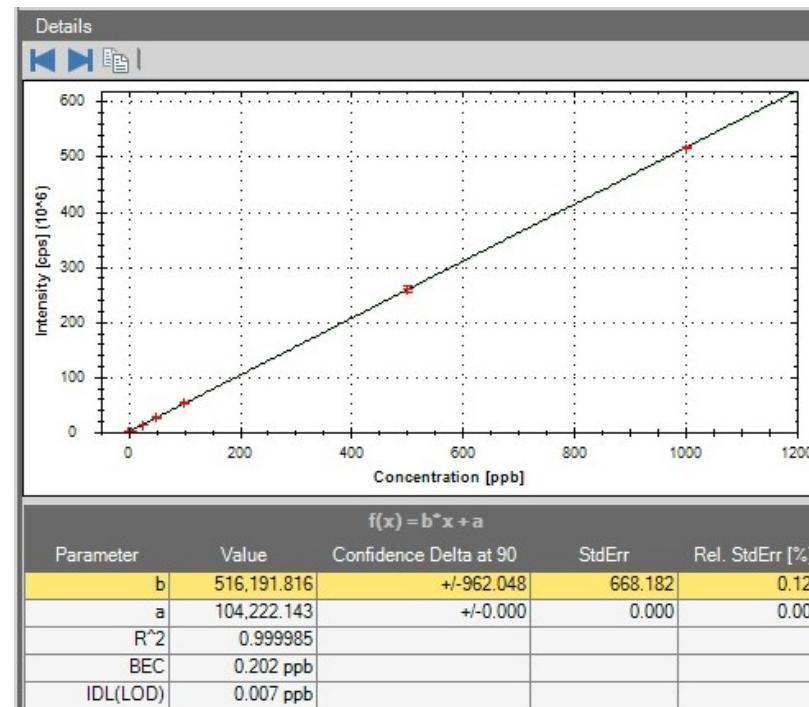
cc: Project file 0212431.002.053
Lisa Bailey, RTI/ORC

Analyzed by: MAL

Reviewed by: FXW 050417

0212431.002.053 Set 16**Calibration Standards**

	Lead µg/L	% Recovery
Calibration Blank	0.000	n/a
5	5.01	100
25	25.6	102
50	51.1	102
100	102	102
500	502	100
1000	999	100

**Initial and Continuing Calibration Verifications**

	Lead µg/L	% Recovery
ICV	205	103
CCV1	209	105
CCV2	206	103
CCV3	212	106

Initial and Continuing Calibration Blanks

	Lead µg/L		
ICB	-0.006	<RL	RL=5µg/L
CCB1	-0.007	<RL	
CCB2	-0.006	<RL	
CCB3	-0.005	<RL	

Lower Level Calibration Verifications

	Lead µg/L	% Recovery
LLCV1	12.4	103
LLCV2	12.8	107

Reagent Blanks/Reagent Blank Spikes

Analyzed by: MAL

Reviewed by: FXW 050417

	Lead µg/L	% Recovery
RB	-0.021	<RL
RBS	267	107

Certified Reference Material

	Lead µg/L	Lead mg/kg	% Recovery	weight (g)	NIST 2711 Montana Soil
CRM 2710	2933	1101	95	0.1065	Certified Value = 1162mg/kg
Filter Blank	2.92				

Matrix Duplicates

	Lead µg/filter	RPD
9329313	863	
9329313 Duplicate	856	1

Matrix Spikes

	Lead µg/filter	% Recovery
9329313	863	
9329313 Spike	947	70

Serial Dilutions

	Lead µg/filter	% Difference
9329320	483	
9329320 1:5	525	8

MDL **Lead µg/filter**
0.0832



& ASSOCIATES, INC.

**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
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Report Date: May 8, 2017

APPENDIX C

Meteorological Station Data – Hourly Averages

March 13 through April 13, 2017

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - January 1 through Jun3 30, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
03/11/17	1	774	21.6	3.28	342°	341°	1.99
	2	774	20.7	3.06	341°		
	3	774	20.1	2.77	348°		
	4	774	19.3	1.99	349°		
	5	774	18.1	2.14	344°		
	6	775	17.1	2.14	347°		
	7	775	16.9	2.01	343°		
	8	775	16.5	1.60	346°		
	9	775	18.1	1.99	348°		
	10	775	19.5	2.38	350°		
	11	775	20.8	2.24	339°		
	12	775	24.0	1.81	344°		
	13	775	25.9	2.04	335°		
	14	775	27.4	1.95	345°		
	15	774	28.3	2.13	329°		
	16	774	30.1	2.06	318°		
	17	774	29.9	2.50	328°		
	18	774	28.9	1.93	322°		
	19	774	28.1	1.40	337°		
	20	774	27.5	1.39	347°		
	21	774	27.1	1.77	352°		
	22	774	26.6	1.49	345°		
	23	775	26.2	1.26	351°		
	24	774	25.7	1.08	345°		
03/14/17	1	769	21.0	2.30	353°	338°	2.45
	2	770	21.2	1.75	0°		
	3	770	20.5	1.97	355°		
	4	769	19.6	1.79	355°		
	5	770	18.3	2.23	353°		
	6	770	17.3	2.19	354°		
	7	770	16.3	1.85	355°		
	8	771	15.0	2.26	354°		
	9	771	15.4	2.66	343°		
	10	771	18.3	2.63	341°		
	11	772	19.6	3.25	342°		
	12	772	21.9	2.83	340°		
	13	772	23.9	2.85	342°		
	14	772	25.3	3.63	336°		
	15	771	26.1	3.55	341°		
	16	771	26.3	3.47	343°		
	17	771	26.6	3.33	338°		
	18	771	25.9	3.88	342°		
	19	772	24.4	3.20	343°		
	20	772	22.4	2.15	337°		
	21	772	20.9	1.64	293°		
	22	772	19.4	1.91	281°		
	23	772	18.7	2.51	281°		
	24	771	18.4	2.84	299°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - January 1 through Jun 30, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
03/17/17	1	765	37.5	3.80	128°	178°	0.80
	2	765	37.4	4.50	126°		
	3	764	37.3	5.10	126°		
	4	763	37.2	5.30	129°		
	5	763	37.0	5.02	129°		
	6	763	36.4	4.33	130°		
	7	762	35.5	3.70	130°		
	8	762	35.4	4.06	135°		
	9	762	35.8	3.73	137°		
	10	762	35.7	3.26	140°		
	11	762	36.3	3.28	138°		
	12	761	37.6	2.92	143°		
	13	761	39.7	2.30	143°		
	14	761	43.1	0.54	238°		
	15	761	45.7	2.61	283°		
	16	760	50.9	1.19	282°		
	17	760	55.9	1.46	280°		
	18	760	58.0	3.10	296°		
	19	760	55.4	4.76	282°		
	20	762	47.8	6.07	306°		
	21	762	45.5	5.95	294°		
	22	762	44.3	4.82	294°		
	23	762	43.8	4.36	293°		
	24	763	41.4	5.68	294°		
03/20/17	1	763	49.3	3.40	146°	119°	1.44
	2	763	48.0	3.48	150°		
	3	762	48.0	2.39	143°		
	4	762	46.8	2.11	131°		
	5	761	46.2	2.80	129°		
	6	761	45.8	2.80	125°		
	7	761	46.2	2.11	128°		
	8	761	45.5	2.98	123°		
	9	761	46.7	3.05	129°		
	10	762	49.2	2.32	133°		
	11	762	52.1	0.27	138°		
	12	762	55.1	0.60	15°		
	13	762	58.2	1.30	357°		
	14	762	60.6	1.82	358°		
	15	761	61.9	1.90	10°		
	16	761	63.4	1.28	14°		
	17	762	64.2	1.82	354°		
	18	762	62.7	1.15	68°		
	19	763	57.2	4.49	137°		
	20	764	53.3	3.96	133°		
	21	764	51.1	2.99	131°		
	22	765	48.9	1.00	119°		
	23	765	47.3	0.74	14°		
	24	766	45.8	0.92	352°		

Summary of Hourly Meteorological Data for Ambient Sampling
Ambient Air Sampling Days - January 1 through Jun3 30, 2017
Behr Iron & Metal, Inc. - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
03/23/17	1	773	28.9	4.78	121°	131°	5.03
	2	773	28.4	4.31	121°		
	3	773	28.8	4.48	120°		
	4	772	30.1	3.61	121°		
	5	772	31.2	2.99	130°		
	6	772	32.8	3.42	129°		
	7	771	33.6	4.17	133°		
	8	771	34.0	4.70	130°		
	9	771	34.5	5.32	130°		
	10	771	36.9	6.44	128°		
	11	771	40.1	6.38	130°		
	12	770	43.3	6.61	135°		
	13	769	46.5	6.71	135°		
	14	768	45.5	5.91	139°		
	15	767	44.5	5.76	140°		
	16	766	44.7	5.47	137°		
	17	765	46.0	5.83	134°		
	18	764	46.9	4.84	136°		
	19	763	44.9	5.53	137°		
	20	762	44.4	5.70	130°		
	21	763	44.8	4.78	130°		
	22	762	44.9	4.77	127°		
	23	762	45.0	4.19	130°		
	24	762	45.0	4.52	129°		
03/26/17	1	760	44.6	3.56	134°	134°	0.89
	2	760	44.8	3.92	134°		
	3	759	45.0	3.57	135°		
	4	759	44.9	1.75	136°		
	5	759	45.1	1.76	138°		
	6	758	45.3	0.73	145°		
	7	758	45.8	1.62	135°		
	8	758	46.0	1.49	141°		
	9	758	46.3	1.61	137°		
	10	758	46.7	1.05	136°		
	11	758	48.5	0.30	65°		
	12	758	52.8	0.29	354°		
	13	758	55.9	0.61	326°		
	14	758	57.4	0.54	114°		
	15	757	58.0	2.32	136°		
	16	757	57.0	3.17	142°		
	17	758	55.2	0.66	305°		
	18	758	54.3	0.34	278°		
	19	758	54.5	0.10	255°		
	20	758	54.0	0.79	139°		
	21	759	53.4	0.43	297°		
	22	759	51.7	0.99	340°		
	23	760	50.3	1.83	308°		
	24	760	48.6	1.76	335°		

Summary of Hourly Meteorological Data for Ambient Sampling
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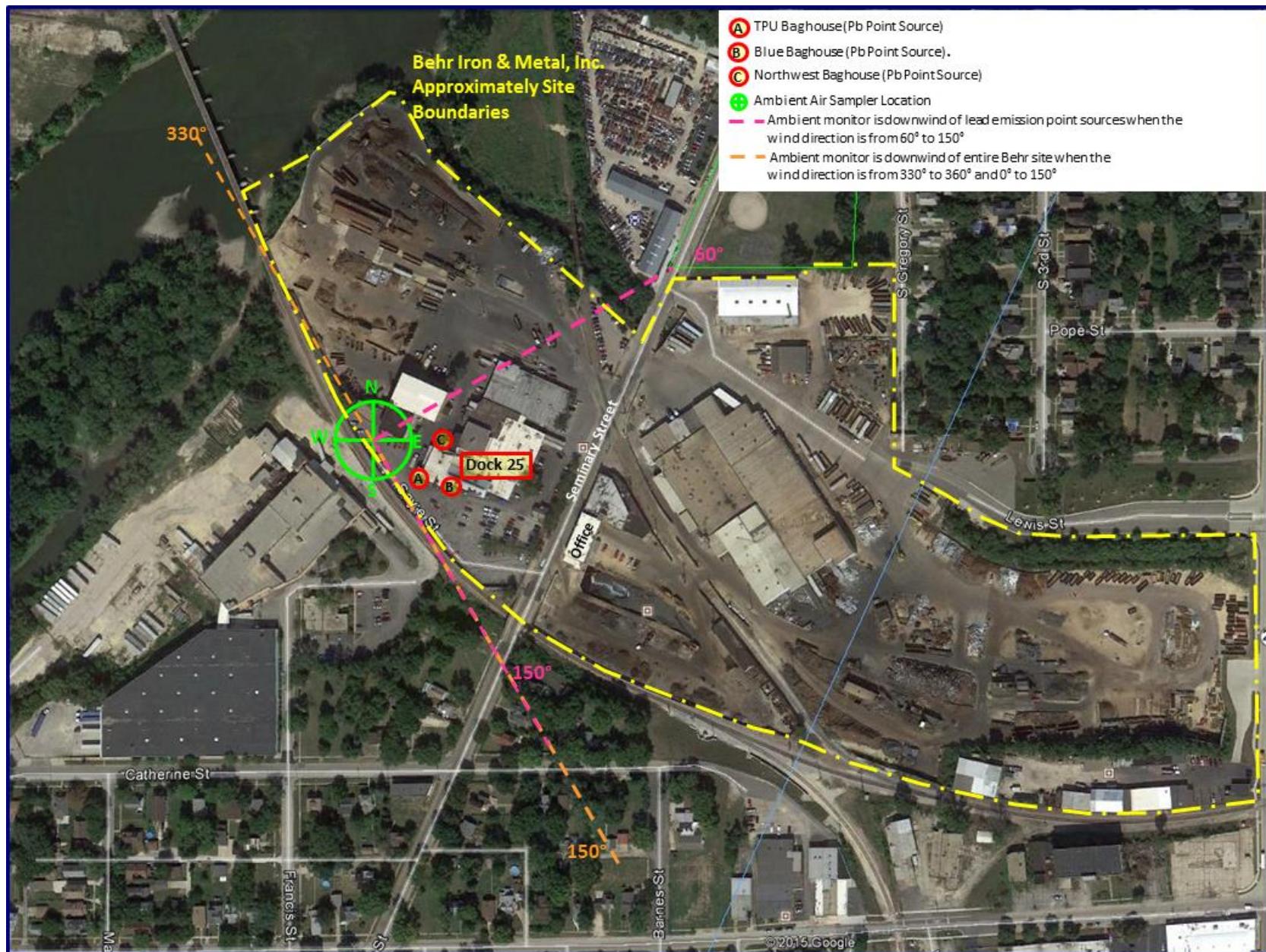
Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
03/29/17	1	768	40.7	3.58	131°	133°	3.02
	2	768	41.2	3.49	130°		
	3	768	40.0	1.97	130°		
	4	768	37.1	3.32	129°		
	5	767	36.3	2.69	129°		
	6	768	36.2	2.15	135°		
	7	768	36.1	2.56	132°		
	8	768	36.5	2.21	122°		
	9	768	38.3	1.53	136°		
	10	768	40.6	2.90	137°		
	11	768	43.2	2.82	133°		
	12	768	46.1	4.33	135°		
	13	768	46.4	4.31	130°		
	14	768	47.6	1.73	131°		
	15	766	47.9	5.19	137°		
	16	765	47.8	5.46	136°		
	17	764	47.5	6.89	134°		
	18	764	45.2	3.60	139°		
	19	765	43.7	0.76	122°		
	20	764	42.0	0.65	94°		
	21	764	41.5	0.74	122°		
	22	764	41.9	2.54	139°		
	23	764	42.3	2.69	138°		
	24	762	42.7	4.64	137°		
04/01/17	1	765	36.8	0.64	342°	323°	0.30
	2	765	36.3	0.94	336°		
	3	765	35.4	1.03	331°		
	4	766	34.9	0.26	357°		
	5	766	34.1	0.62	321°		
	6	766	33.2	0.27	311°		
	7	767	32.0	0.41	164°		
	8	767	32.5	0.64	140°		
	9	768	38.9	0.28	6°		
	10	768	47.0	0.57	14°		
	11	768	51.3	1.00	8°		
	12	768	54.8	0.86	3°		
	13	768	56.2	0.47	350°		
	14	768	58.8	0.80	303°		
	15	767	59.9	0.67	321°		
	16	767	60.6	0.53	338°		
	17	767	59.7	1.01	267°		
	18	767	58.5	1.08	272°		
	19	767	56.8	0.80	276°		
	20	767	54.4	0.36	150°		
	21	767	51.8	0.62	140°		
	22	767	49.5	0.32	158°		
	23	768	46.1	0.16	188°		
	24	768	44.6	0.13	138°		

Summary of Hourly Meteorological Data for Ambient Sampling
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Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
04/04/17	1	749	46.1	2.43	327°	328°	1.40
	2	749	46.0	3.07	332°		
	3	749	45.5	2.95	335°		
	4	750	45.2	2.34	326°		
	5	750	45.1	1.81	300°		
	6	751	45.2	1.88	286°		
	7	752	45.2	1.50	303°		
	8	753	45.5	2.03	281°		
	9	754	46.0	1.79	307°		
	10	754	47.2	2.14	338°		
	11	755	48.5	2.89	343°		
	12	756	49.7	1.86	356°		
	13	756	52.3	1.68	356°		
	14	757	54.6	1.37	337°		
	15	757	54.7	1.93	345°		
	16	758	53.0	2.00	343°		
	17	758	52.7	1.39	350°		
	18	759	53.4	0.57	350°		
	19	759	53.3	0.28	7°		
	20	760	51.8	0.37	271°		
	21	760	50.0	0.30	143°		
	22	760	47.8	0.12	145°		
	23	760	46.1	0.17	311°		
	24	760	45.6	0.30	287°		
04/07/17	1	764	42.5	3.13	339°	336°	1.61
	2	764	40.4	2.54	343°		
	3	764	38.5	2.17	341°		
	4	764	36.8	2.03	342°		
	5	764	36.0	2.33	340°		
	6	765	35.1	1.85	335°		
	7	765	34.3	1.76	336°		
	8	766	35.2	1.71	338°		
	9	766	39.4	2.60	340°		
	10	766	44.2	2.66	340°		
	11	766	47.3	2.70	346°		
	12	766	50.4	2.94	339°		
	13	766	53.0	2.52	338°		
	14	765	55.5	1.95	344°		
	15	765	56.9	1.96	335°		
	16	765	58.3	2.27	333°		
	17	764	58.4	2.04	306°		
	18	764	58.2	1.61	310°		
	19	764	57.6	1.02	289°		
	20	763	54.0	0.48	139°		
	21	763	49.6	0.19	200°		
	22	763	47.7	0.37	187°		
	23	763	45.9	0.15	191°		
	24	763	44.7	1.14	147°		

Summary of Hourly Meteorological Data for Ambient Sampling
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Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
04/10/17	1	753	65.8	3.68	154°	137°	1.61
	2	753	65.6	2.87	148°		
	3	753	68.3	4.29	138°		
	4	754	68.1	3.84	134°		
	5	754	67.9	2.32	113°		
	6	754	66.7	3.05	129°		
	7	755	64.5	0.69	288°		
	8	755	61.7	3.41	146°		
	9	756	63.5	2.98	147°		
	10	756	68.6	5.08	134°		
	11	757	71.5	3.20	129°		
	12	757	71.4	0.97	279°		
	13	757	71.7	1.07	100°		
	14	757	70.6	0.14	125°		
	15	757	69.5	1.36	136°		
	16	757	63.1	0.96	273°		
	17	757	63.9	0.45	348°		
	18	758	63.3	1.37	293°		
	19	758	63.8	0.32	272°		
	20	759	62.2	1.41	135°		
	21	760	51.6	3.30	125°		
	22	761	48.4	1.37	4°		
	23	761	45.8	1.76	126°		
	24	762	45.5	0.66	115°		
04/13/17	1	770	49.6	4.84	121°	127°	4.04
	2	770	50.6	5.65	120°		
	3	769	51.0	6.92	123°		
	4	770	50.5	1.27	118°		
	5	771	44.3	0.47	58°		
	6	770	43.2	3.08	133°		
	7	770	42.6	4.42	135°		
	8	770	43.0	3.97	129°		
	9	770	45.0	4.79	123°		
	10	770	47.6	5.56	126°		
	11	770	50.3	6.25	122°		
	12	769	53.5	5.98	124°		
	13	769	57.0	5.95	129°		
	14	769	59.3	5.19	127°		
	15	769	60.1	4.59	128°		
	16	768	60.8	3.15	127°		
	17	768	61.0	4.18	129°		
	18	768	59.4	5.22	133°		
	19	768	56.9	2.83	129°		
	20	768	54.4	2.68	126°		
	21	769	52.5	2.01	123°		
	22	769	51.1	2.36	128°		
	23	769	50.0	2.73	138°		
	24	769	49.0	3.62	135°		



Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries

